



SHEET 1 OF 2

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. 5107-3-CIP	SERIAL NO. 10/649,286
	APPLICANT DONNELLY et al.	
	FILING DATE August 26, 2003	GROUP ART 2837

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROP.
	1.	D464,622 S	10/22/02	Donnelly	D13	120	
	2.	5,281,900	01/25/94	Park	318	139	
	3.	5,511,749	04/30/96	Horst et al.	246	187 A	
	4.	5,568,023	10/22/96	Grayer et al.	318	139	
	5.	5,685,507	11/11/97	Horst et al.	246	187 A	
	6.	6,441,581 B1	08/27/02	King et al.	320	101	
Ro	7.	6,449,536 B1	09/10/02	Brousseau et al.	701	19	
	8.	6,456,674 B1	09/24/02	Horst et al.	375	347	
	9.	6,470,245 B1	10/22/02	Proulx	701	19	
	10.	6,615,118 B2	09/02/03	Kumar	701	19	
	11.	6,658,331 B2	12/02/03	Horst et al.	701	19	
	12.	6,691,005 B2	02/10/04	Proulx	701	19	
	13.	6,697,716 B2	02/24/04	Horst	701	19	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
							YES	NO
Ro	14.	CA 1,283,472	10/15/87	Canada	B60L	11/02	X	
Ro	15.	CA 2,411,132	11/05/02	Canada			X	

EXAMINER Bentou Ro	DATE CONSIDERED 12/1/2004
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Filed
May 6, 2004.

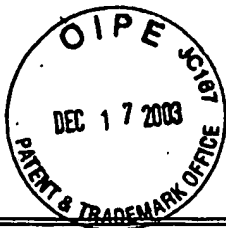
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OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

R0	16.	Kostic et al., "An Analytic Solution of the Choppers Ripple Currents," Proceedings of the 1993 IEEE/ASME Joint Railroad Conference, April 1993, pp. 103-107.

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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROP.
	1	384,580	06/12/1988	E. Julien			
	2	1,199,752	10/03/1916	C.W. Baker			
	3	1,377,087	05/03/1921	J.A. Manns			
	4	1,535,175	04/28/1925	R. Mancha			
	5	2,403,933	04/16/1946	T.O. Lillquist			
	6	2,472,924	06/14/1949	A.F. Schwendner			
	7	2,510,753	06/06/1950	R.H. Multhaup			
	8	3,169,733	02/16/1965	A.M. Barrett, Jr.			
	9	3,443,115	05/06/1969	J.W. Timmerman, Jr.			
	10	3,569,810	03/09/1971	Tom M. Thiele	318	341	
	11	3,668,418	06/06/1972	Godard	307	66	
	12	3,792,327	02/12/1974	Waldorf	318	139	
	13	3,898,937	08/12/1975	Johnson	105	61	
	14	3,970,160	07/20/1976	Nowick	180	65	
	15	4,090,577	08/23/1978	Moore	180	44	
	16	4,199,037	04/22/1980	White	180	65	
	17	4,204,143	05/20/1980	Coleman	318	341	
	18	4,217,527	08/12/1980	Bourke et al.	318	139	
	19	4,309,645	01/05/1982	De Villeneuve	318	341	
	20	4,471,276	09/11/1984	Cudlitz	318	341	
	21	4,495,449	01/22/1985	Black et al.	318	60	
	22	4,523,134	06/11/1985	Kinoshita et al.	318	313	
	23	4,900,944	02/13/1990	Donnelly	290	3	

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* Duplicate references.

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	APPLICANT DONNELLY et al.	
	FILING DATE August 26, 2003	GROUP ART 2837

	24	4,961,151	10/02/1990	Early et al.	364	492	
	25	5,129,328	07/14/1992	Donnelly	105	61.5	
	26	5,212,431	05/18/1993	Origuchi et al.	318	139	
	27	5,264,764	11/23/1993	Kuang	318	139	
	28	5,317,669	05/31/1994	Anderson et al.	388	829	
	29	5,453,672	09/26/1995	Avitan	318	493	
	30	5,317,669	05/31/1994	Anderson et al.	388	829	
	31	5,332,630	07/26/1994	Hsu	429	20	
	32	5,359,228	10/25/1994	Yoshida	290	17	
	33	5,436,548	07/25/1995	Thomas	320	2	
	34	5,453,672	09/26/1995	Avitan	318	493	
	35	5,510,693	04/23/1996	Theobald	320	24	
	36	5,528,148	06/18/1996	Rogers	324	426	
	37	5,585,706	12/17/1996	Avitan	318	493	
	38	5,610,499	03/11/1997	Rogers	322	25	
	39	5,629,567	05/13/1997	Kumar	290	3	
	40	5,629,601	05/13/1997	Feldstein	320	6	
	41	5,631,532	05/20/1997	Azuma et al.	320	5	
	42	5,696,438	12/09/1997	Hamilton	322	12	
	43	5,698,955	12/16/1997	Nii	318	139	
	44	5,751,137	05/12/1998	Kiuchi et al.	322	14	
	45	5,765,656	06/16/1998	Weaver	180	65.3	
	46	5,820,172	10/13/1998	Brigham et al.	290	49	
	47	5,898,282	04/27/1999	Drozdz et al.	318	139	
	48	5,992,950	11/30/1999	Kumar et al.	303	151	
	49	5,939,861	08/17/1999	Joko et al.	320	122	
	50	5,964,309	10/12/1999	Kimura et al.	180	65.8	

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* Duplicate References

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SHEET 1 OF 3

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Ro	1	384,580	06/12/1988	E. Julien			
	2	1,199,752	10/03/1916	C.W. Baker			
	3	1,377,087	05/03/1921	J.A. Manns			
	4	1,535,175	04/28/1925	R. Mancha			
	5	2,403,933	04/16/1946	T.O. Lillquist			
	6	2,472,924	06/14/1949	A.F. Schwendner			
	7	2,510,753	06/06/1950	R.H. Multhaup			
	8	3,169,733	02/16/1965	A.M. Barrett, Jr.			
	9	3,443,115	05/06/1969	J.W. Timmerman, Jr.			
	10	3,569,810	03/09/1971	Tom N. Thiele	318	341	
	11	3,596,154	7/27/1971	Gurwicz et al.	318	252	
	12	3,668,418	06/06/1972	Godard	307	66	
	13	3,792,327	02/12/1974	Waldorf	318	139	
	14	3,898,937	08/12/1975	Johnson	105	61	
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	17	4,199,037	04/22/1980	White	180	65	
	18	4,204,143	05/20/1980	Coleman	318	341	
	19	4,217,527	08/12/1980	Bourke et al.	318	139	
	20	4,309,645	01/05/1982	De Villeneuve	318	341	
	21	4,369,397	1/18/1983	Read	318	54	
	22	4,423,362	12/27/1983	Konrad et al.	318	139	
	23	4,471,276	09/11/1984	Cudlitz	318	341	
	24	4,495,449	01/22/1985	Black et al.	318	60	
	25	4,523,134	06/11/1985	Kinoshita et al.	318	313	
	26	4,644,232	2/17/1987	Noliri et al.	318	66	

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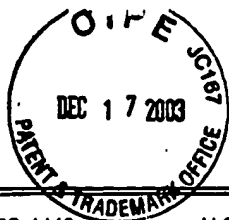
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	27	4,900,944	02/13/1990	Donnelly	290	3	
	28	4,961,151	10/02/1990	Early et al.	364	492	
	29	5,129,328	07/14/1992	Donnelly	105	61.5	
	30	5,212,431	05/18/1993	Origuchi et al.	318	139	
	31	5,264,764	11/23/1993	Kuang	318	139	
	32	5,317,669	05/31/1994	Anderson et al.	388	829	
	33	5,453,672	09/26/1995	Avitan	318	493	
	34	5,317,669	05/31/1994	Anderson et al.	388	829	
	35	5,332,630	07/26/1994	Hsu	429	20	
	36	5,359,228	10/25/1994	Yoshida	290	17	
	37	5,436,548	07/25/1995	Thomas	320	2	
	38	5,453,672	09/26/1995	Avitan	318	493	
Ro	39	5,510,693	04/23/1996	Theobald	320	24	
	40	5,528,148	06/18/1996	Rogers	324	426	
	41	5,585,706	12/17/1996	Avitan	318	493	
	42	5,610,499	03/11/1997	Rogers	322	25	
	43	5,629,567	05/13/1997	Kumar	290	3	
	44	5,629,601	05/13/1997	Feldstein	320	6	
	45	5,631,532	05/20/1997	Azuma et al.	320	5	
	46	5,696,438	12/09/1997	Hamilton	322	12	
	47	5,698,955	12/16/1997	Nii	318	139	
	48	5,751,137	05/12/1998	Kiuchi et al.	322	14	
	49	5,765,656	06/16/1998	Weaver	180	65.3	
	50	5,820,172	10/13/1998	Brigham et al.	290	40	
	51	5,898,282	04/27/1999	Drozdz et al.	318	139	
	52	5,992,950	11/30/1999	Kumar et al.	303	151	
	53	5,939,861	08/17/1999	Joko et al.	320	122	
	54	5,964,309	10/12/1999	Kimura et al.	180	65.8	
	55	5,998,880	12/07/1999	Kumar	290	40	
	56	6,012,011	1/4/2000	Johnson	701	82	

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Ro	57	6,021,251	02/01/2000	Hammer et al.	388	801	
	58	6,023,137	02/08/2000	Kumar et al.	318	254	
	59	6,175,272 B1	01/16/2001	Takita	330	10	
	60	6,308,639 B1	10/30/2001	Donnelly et al.	105	50	
	61	2003/0160586	8/28/03	Donnelly et al.			2/27/2002
	62	10/650,011		Donnelly et al.			8/26/2003

FOREIGN PATENT DOCUMENTS

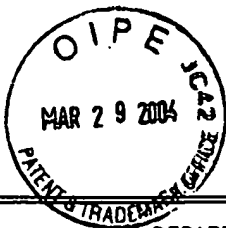
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							YES	NO
Ro	63	873,167	03/24/1960	Great Britain	B62d			
	64	1,129,709	11/18/1966	Great Britain	B 60 1	11/00		
	65	1 312 699	10/10/1970	Great Britain	B60L	11/12		
	66	GB 2 005 205 A	09/02/1977	United Kingdom	B60L	11/00		
	67	WO 03/072388	09/4/2003	PCT	B60L	9/02		

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Ro	68	Thompson; "Electric Transportation"; <i>International Textbook Co., Scranton, Pa</i> ; 1940, First Edition, pgs. 254-262
	69	Mendler; "The Technological Opportunities of Hybrid Electric Vehicles"; <i>Society of Automotive Engineers, Inc.</i> ; 1996; pgs. 1-16
	70	Mercer; "Innovative Use of Horsepower - Hybrid Bus Powered by Gas Turbine"; <i>Diesel Progress</i> ; December 1997; pgs. 56-57
	71	Berg; "Concept Truck Addresses Future Clean Air Demands With Hybrid Turbine-Electric Powertrain"; <i>Emissions Alternatives Fuels</i> ; (date unknown); pgs. 55-57
	72	FMTV - with HybriDrive Propulsion System, pgs. 1-3
	73	Nene; "Advanced Propulsion Systems for Urban Rail Vehicles: Chapter 2: DC Drives with a Chopper Controller"; <i>Prentice-Hall, Inc.</i> ; 1985; pgs. 18-45

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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROP.
RO	AA	5,392,716	02/28/95	Orschek et al.	105	61	
	AB	5,661,378	08/26/97	Hapeman	318	52	
	AC	5,735,215	04/07/98	Tegeler	105	34.1	
	AD	6,612,246 B2	09/02/03	Kumar	105	34.2	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
							YES	NO

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

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FOREIGN PATENT DOCUMENTS

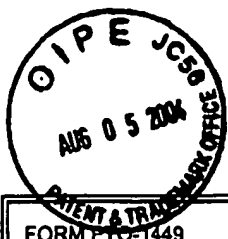
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
							YES	NO

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

Ro	AA	Moghbelli, Hassan et al., "Chopper Design for NICTD Locomotives, Proceedings of the 1993 IEEE/ASME Joint Railroad Conference, April 1993, pp. 67-75.

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Ro	2003/0233959	12/25/03	Kumar	105	26.05	
	2003/0151387	8/14/03	Kumar	320	104	
	2003/0150352	8/14/03	Kumar	105	35	
	4,471,421	9/11/84	Brown et al.	363	54	
	5,589,743	12/31/96	King	318	139	
	5,659,240	8/19/97	King	320	134	
	6,331,365	12/18/01	King	429	9	
	6,591,758	7/15/03	Kumar	105	35	
	6,612,245	9/2/03	Kumar et al.	105	26.05	
	6,737,822	5/18/04	King	318	375	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
						YES	NO

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

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EXAMINER Ben Bu Ro	DATE CONSIDERED 12/1/04
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Substitute for form 1448A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Complete if Known	
				Application Number	10/649,286
				Filing Date	August 26, 2003
				First Named Inventor	Frank Wegner Donnelly
				Art Unit	2837
				Examiner Name	
Sheet	1	of	1	Attorney Docket Number	5107-3-CIP

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code <small>VP (USPTO)</small>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
Ro	1.	US-5,564,795	10-15-1996	Engle	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ² , Number ³ , Kind Code ⁴ (if known)		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁵

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)		
Examiner Initials*	Cite No. ¹	
Ro	2.	Band, C.E. et al., "Development of and Operational Experience with a High Powered D.C. Chopper for 1500 Volt D.C. Railway Equipment," Institution of Electrical Engineers Conference Publication 53 on Power Thyristors and Their Applications, Part 1 (May 1969), pp. 277-288.

Examiner Signature	Ben Bu Ro	Date Considered	12/1/2004
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